

CALL FOR ABSTRACTS

5TH International Symposium on Gas Cleaning at High Temperature

September 17-20, 2002
Morgantown, West Virginia

Introduction

The United States Department of Energy's National Energy Technology Laboratory and the National Research Center for Coal and Energy of West Virginia University are organizing the **5th International Symposium on Gas Cleaning at High Temperature**. The symposium will be held at the National Energy Technology Laboratory in Morgantown, West Virginia, on September 17-20, 2002.

Symposium organizers are interested in papers addressing all aspects of gas cleaning and purification. At this time extended abstracts are requested that will allow for the selection of symposium papers and form the basis of the symposium agenda. Particular interest is placed on abstracts that discuss gas cleaning for gasification and combustion-based power generation, fuel cell systems, and industrial processes.

Goals and Topics

The goal of the symposium is to bring together applied and fundamental researchers to discuss scientific information and applications pertinent to gas cleaning technology required for advanced energy (i.e., electricity, fuels, chemicals, hydrogen) generation and industrial applications. The symposium will allow for the detailed discussion of scientific topics and highlight the gas cleaning needs of advanced energy generation and industrial processes. To meet these goals, abstracts and papers are sought on these and similar topic areas:

- Wet chemical gas phase cleanup for gasification systems (such as Mono-Ethanol-Amine, Rectisol, and Selexol)
- Sorbent development and process for gas stream cleanup in fuel cell and synthesis gas conversion applications
- Operational experience from high temperature (above 200°C) particulate filtration for advanced coal-based power generation such as pressurized fluidized-bed combustion, direct-fired pressurized combustion, and integrated gasification combined-cycle power systems
- Operational experience concerning the application of gas stream cleanup technology (both chemical and particulate above 200°C) to industrial processes
- Instruments and techniques for the measurement and characterization of particulate or chemical laden gas streams above 200°C
- Chemical and particulate gas cleaning systems and processes for power generation, gasification-based processes, and industrial processes



U.S. Department
of Energy



National Energy
Technology Laboratory



West Virginia
University

National Research Center
for Coal and Energy

- The characterization and performance of sorbents
- The characterization and performance of particulate filter elements and filter materials
- Economic evaluation of gas cleaning systems and processes
- System modeling of gas cleaning and purification technologies
- All gas cleaning technology concerned with the removal of mercury, alkali, or other trace process stream contaminants

Important Symposium Dates & Contacts

Call for Abstracts August 15, 2001
 Abstracts Due November 15, 2001
 Notify Authors of Acceptance February 15, 2002
 Final Abstracts Due April 15, 2002
 Proceedings Paper Due August 15, 2002
 Symposium September 17-20, 2002

Technical

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Logistical

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Additional information regarding the symposium will be posted on the NETL web site at www.netl.doe.gov under Events.

Abstract Guidelines

General: Selected abstracts will be incorporated into a preprint and distributed at the symposium. To accommodate this approach, two-page, single-spaced abstracts are requested. The abstract must include the following sections: author, descriptive title, keywords, and body with three subsections for objectives & approach, results, and conclusions. Skip two lines between sections. See figure, “Abstract Format.”

Font: Times Roman or Times New Roman, 12 point for all

Margins: 2.54 cm (1 inch) on all sides

Language: English

Dimensions: Standard International units

Author Section: For all authors, use full name, affiliation, street address, e-mail address, telephone number, and fax number. For more than one author, use a two-column format. Include “primary contact” after the author’s name who should receive acknowledgement information. See figure, “Abstract Format.”

Title Section: Two lines below the author section, type a descriptive title of the abstract. Capitalize each word. See figure, “Abstract Format.”

Keywords Section: Two lines below the title, type “Keywords:” followed by a maximum of four key words or phrases that characterize the subject of the paper, separated by commas. See figure, “Abstract Format.” These words or phrases will be used to cross reference topics in the symposium proceedings.

Body Section: Use the remaining space for the abstract text. Two lines below the keyword section, start the body of the first text subsection and title it **Objectives & Approach**. On the next line, explain the purpose behind the work that is to be presented, and the methodology or approach that was used to pursue the work. You may continue this section to the second page if necessary. Skip a line and title the next section **Results**. On the next line begin a description of the results of the work. Skip a space and title the next section **Conclusions**. On the next line begin a discussion of the conclusions of the work. See figure, “Abstract Format.”

Abstract Format

<div data-bbox="230 667 461 730">Author 1 (Primary Contact)</div> <div data-bbox="529 667 760 730">Author 2</div> <div data-bbox="230 758 461 821">Author 3</div> <div data-bbox="529 758 760 821">Author 4</div> <div data-bbox="230 863 760 938">Descriptive Title _____ _____ _____</div> <div data-bbox="230 961 760 1039">Key Words: Word or Phrase, . . . _____ _____ _____</div> <div data-bbox="230 1073 506 1104">Objectives & Approach</div> <div data-bbox="230 1108 760 1392"><hr/><hr/><hr/><hr/><hr/><hr/><hr/><hr/><hr/><hr/></div>	<div data-bbox="904 684 987 711">Results</div> <div data-bbox="904 720 1432 1003"><hr/><hr/><hr/><hr/><hr/><hr/><hr/><hr/><hr/><hr/></div> <div data-bbox="904 1079 1040 1106">Conclusions</div> <div data-bbox="904 1115 1432 1398"><hr/><hr/><hr/><hr/><hr/><hr/><hr/><hr/><hr/><hr/></div>
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Abstract Submission

Your abstract must be received electronically as an Adobe Acrobat PDF file. Please e-mail your file to NETL Event Management at confserv@netl.doe.gov. Use the Acrobat Distiller, not the PDF Writer to create your file – set the following options in Distiller:

Set the “Job Options” setting to “Print Optimized.”

Go to the pull-down menu “Settings.” Select “Job Options.”

Click on the “General” tab and select the following settings:

Set “compatibility” to “Acrobat 4.0”

Check the “optimize PDF” box

Check the “generate thumbnails” box

Click on the “Fonts” tab and select the following settings:

Check the “embed all fonts” box

Check the subset all embedded fonts below “100%”

Set “when embedding fails “ to warn & continue”

Click on the “Color” tab

Under the “Conversions” section check the following:

“Leave color unchanged”

“Preserve overprint settings”

“Preserve under color...”

“Preserve transfer...”

If you are creating a PDF from within Microsoft Word, make sure that you use Acrobat Distiller.

Alternative Method

Submit your paper as a Microsoft Word file with True Type fonts embedded. This can be accomplished when you save the document. In the save dialogue box, click on the “Options” button. Check the “Embed True Type fonts” box. Click “OK.”

Abstract Acknowledgement, Review, and Selection

Please look for our e-mail acknowledgement that we have received your abstract. If you do not receive an e-mail acknowledgement, please contact NETL Event Management.

Abstracts will be reviewed by appropriate members of the symposium program committee to determine acceptance. Authors will be notified by February 15, 2002, regarding paper selection. At that time instructions on final abstract and paper preparation will be provided. Final papers for the proceedings should be produced according to the style conventions detailed in the most recent edition of the American Chemical Society Style Guide (2nd edition, Janet S. Dodd, editor, American Chemical Society: Washington, DC, 1997).

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